AUTODOC CLUB

How to change track rod end on **MERCEDES-BENZ E-Class T-modell (S210)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
MERCEDES-BENZ E-Class T-modell (S210) E 200 T (210.235), MERCEDES-BENZ E-Class T-modell (S210) E 230 T (210.237), MERCEDES-BENZ E-Class T-modell (S210) E 420 T (210.272), MERCEDES-BENZ E-Class T-modell (S210) E 290 T Turbo-D (210.217), MERCEDES-BENZ E-Class T-modell (S210) E 250 T D (210.210), MERCEDES-BENZ E-Class T-modell (S210) E 270 T CDI, MERCEDES-BENZ E-Class T-modell (S210) E 280 T 4-matic (210.281), MERCEDES-BENZ E-Class T-modell (S210) E 320 T (210.265), MERCEDES-BENZ E-Class T-modell (S210) E 300 T Turbo-D (210.225), MERCEDES-BENZ E-Class T-modell (S210) E 320 T 4-matic (210.282), MERCEDES-BENZ E-Class T-modell (S210) E 250 T Turbo-D (210.215), MERCEDES-BENZ E-Class T-modell (S210) E 280 T (210.263), MERCEDES-BENZ E-Class T-modell (S210) E 240 T (210.261), MERCEDES-BENZ E-Class T-modell (S210) E 430 T (210.270), MERCEDES-BENZ E-Class T-modell (S210) E 200 T Kompressor (210.245), (+ 7)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar design.
This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ E-Class Saloon (W210) E 270 CDI (210.016)

REPLACEMENT: TRACK ROD END – MERCEDES-BENZ E-CLASS T-MODELL (S210). LIST OF THE TOOLS YOU'LL NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Torque wrench
- Combination spanner #21
- Combination spanner #22
- Drive socket # 22
- Wheel impact socket #17
- Ball joint puller
- Ratchet wrench
- Vernier caliper
- Tap wrench
- Wheel chock

Buy tools

Replacement: track rod end – MERCEDES-BENZ E-Class T-modell (S210). AUTODOC experts recommend:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Warning! Shut down the engine before starting any work – MERCEDES-BENZ E-Class T-modell (S210).

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.

3 Raise the car.

Replacement: track rod end – MERCEDES-BENZ E-Class T-modell (S210). Tip:

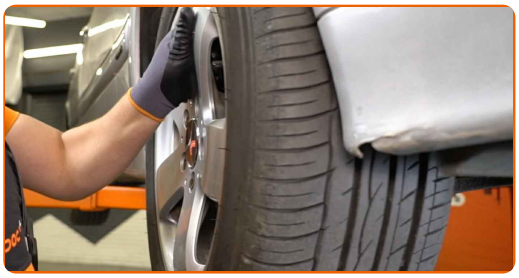
- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4 Unscrew the wheel bolts.

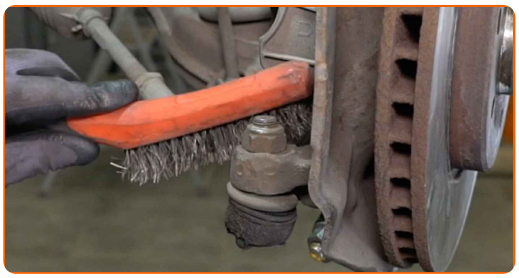
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ E-Class T-modell (S210)

5 Remove the wheel.



6 Clean all tie rod end connections. Use a wire brush. Use WD-40 spray.



7 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.

8 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #21. Use a combination spanner #22.

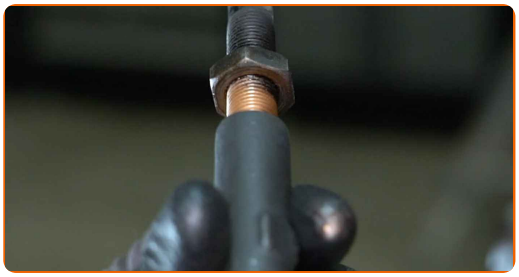
9 Unscrew the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #22. Use a ratchet wrench.

10 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

11 Unscrew the tie rod end from the tie rod.

12 Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.

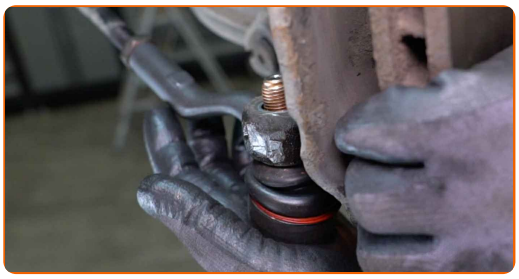
13 Screw on a new tie rod end.



AUTODOC recommends:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

14 Connect the tie rod end to the steering knuckle.



15 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #22. Use a ratchet wrench.

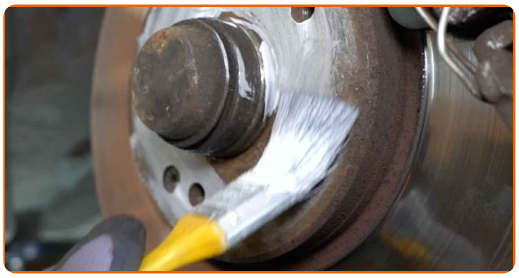
16 Set the tie rod end to the correct position and secure it with the lock nut. Use a vernier caliper. Use a combination spanner #21. Use a combination spanner #22.

17 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #22. Use a torque wrench. Tighten it to 60 Nm torque.

18 Tighten the tie rod end locknut. Use a combination spanner #21. Use a combination spanner #22. Use a torque wrench. Tighten it to 60 Nm torque.

19 Clean the wheel rim mounting seat. Use a wire brush.

20 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



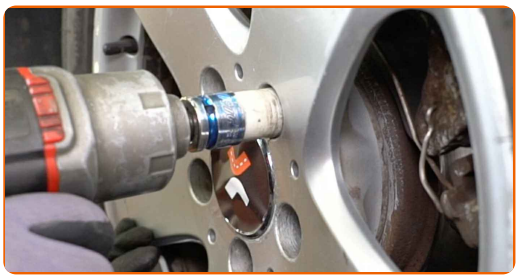
21 Clean the brake disk surface. Use a brake cleaner.

22 Install the wheel.

Replacement: track rod end – MERCEDES-BENZ E-Class T-modell (S210). AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

23 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



24 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

25 Remove the jacks and chocks.

Replacement: track rod end – MERCEDES-BENZ E-Class T-modell (S210). AUTODOC experts recommend:

- After replacing the component, it is advisable to realign the wheels using a wheel aligner.

WELL DONE!

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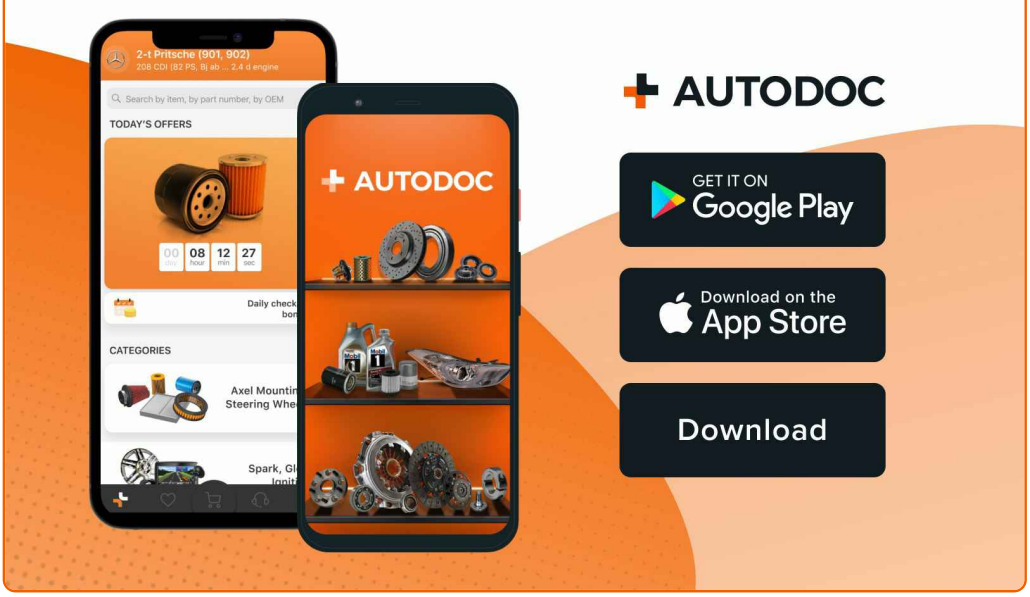

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TRACK ROD END: A WIDE SELECTION

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